

**Abstract**

The invention concerns a method for making a radiation heating structure comprising a heating film electrically powered to produce Joule heating, a radiating film comprising radiating additives and a thermally insulating film. The insulating film and the radiating film are fixed on either side of the heating film. The structure is obtained by double injection of polymerizable resins in a heating mould, a first resin being filled with radiating additive on the side of the heating film and a second more fluid resin on the side of the insulation.